

Name:

Date:

More Fraction Powers

Directions: Evaluate each expression.

$$10^{-2}$$

$$\left(\frac{1}{2}\right)^{-4}$$

$$5(3)^{-2}$$

$$4(2)^{-4}$$

$$\left(\frac{2}{5}\right)^{-1}$$

$$10\left(\frac{2}{5}\right)^{-1}$$

$$9\left(\frac{2}{3}\right)^3$$

$$\frac{2}{5}\left(\frac{4}{5}\right)^{-2}$$

$$10,000^{1/4}$$

$$16^{3/2}$$

$$\left(\frac{1}{125}\right)^{-2/3}$$

$$27\left(\frac{4}{9}\right)^{5/2}$$

Challenge

$$49^{0.5}$$

$$\left(\sqrt{2}\right)^{10}$$

$$\left(\sqrt[7]{12}\right)^{14}$$

$$\left(\frac{9}{16}\right)^{1.5}$$

Percents Practice Work

Directions: Take out your Percents FAQ sheet. I won't answer any questions unless you have it out and ready!

1) Find 120% of 50.

2) Find 6.25% of 35.

3)

The sales tax in Santa Clara County is 9.25%. Including tax, how much does it cost to buy a camera that sells for \$200?

4)

I took 200 mg of Advil for my headache. After some time passed, the amount of Advil in my system decreased by 45%. How much is left in my system?

5)

The amount of money in your bank account has grown from \$2500 to \$4200 since the last time you checked. What percent increase is that?

6)

There is this sweater that I want to buy, and it originally cost \$40. Now, the price is down to \$26. What percent did the cost decrease by?